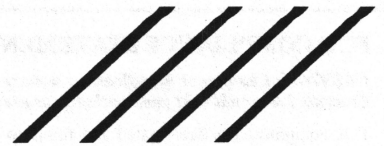




MD12 Modem



INSTALLATION INSTRUCTIONS

Software Version 1.1

Introduction

The DSC modem is a communication device designed to enable computer terminals—through use of an RS-232 port—to communicate via telephone lines with the DSC line of downloadable security systems.

The modem is compatible with the DSC proprietary formats (110 Baud, 300 Baud, and 625 Baud).

Status Lights

The LED indicators on the top of the modem indicate the following:

Power (ON) Red
Transmitted Data to control panel (TX) Green
Received Data from control panel (RX) Red

Connection to Computer

DO NOT apply power until all connections have been made and verified. Improper connection may damage your computer or communicator.

For Finland, Norway and/or Sweden, the computer used must be an Approved, Class II (ungrounded, powered via a CEE 7/16 socket-outlet), for other countries, the used computer must be connected to a socket-outlet with a protective earth connection.

The socket-outlet of the MD12 transformer must be near the equipment and be easily accessible.

The MD12 provides computer interface via a standard DB25 female connector. Use a serial DB25 straight through computer cable to connect the MD12 to the computer's serial port.

Connection to Telephone Line

On the modem, there are two 4-pin connections. The 4-pin connector marked "Phone" is for an optional telephone. The connector marked "Line" is for the incoming telephone line from the wall connector. When the modem is in communication, the optional telephone connection will be automatically disconnected for the duration of the communication.

Jumper Settings

JP1 selects the pulse dialing option:

ON = North American, OFF = European.

Parts

- 1 DSC Modem
- 1 230 VAC/50Hz to 12 VAC-1A Power Supply (European) or
- 1 120 VAC/60Hz to 12 VAC - 1A Power Supply (N.A.)
- 1 4-pin telephone cable

Specifications

Baud Rate: 110, 300 and 625 bps
Parity: 8 data bits, no parity, 1 stop bit
Power Requirements: 12 VAC, 150mA
Dialing: Touch Tone Dialing (DTMF) or Pulse Dialing
Operating Temperature: 0 - 40°C, 32 - 110°F

Usage

NOTE: The MD12 is compatible with DLS-1 V6.2 and greater, DLS-2 V1.30, and all other subsequent DSC DLS Windows downloading software packages. Please refer to the DLS Manual/Help File for modem communication instructions and computer configuration requirements.

Special Dialing Commands

The following dialing modifier commands may be programmed into the phone number to send the communicator special dialing functions.

Dialing Modifier	Description of Function	Example
,	Pause	9,5551234
R	Switch to Reverse Mode	5551234R
W	Wait for additional Dial Tone	*70W5551234
!	Flash Hook	!5551234

! **The MD12 Modem is intended to be INSTALLED and OPERATED by SERVICE PERSONNEL ONLY or equivalent (i.e.: persons having appropriate technical training and the experience necessary to be aware of hazards to which that person may be exposed in performing a task and of measures to minimize the risks to that person or other persons). This equipment is intended for TEMPORARY CONNECTION to a TN (Telecommunication network) during the course of INSTALLATION, MAINTENANCE or REPAIR of DSC SYSTEMS that are connected to a TN."**

Limited Warranty

Digital Security Controls Ltd. warrants that for a period of twelve months from the date of purchase, the product shall be free of defects in materials and workmanship under normal use and that in fulfillment of any breach of such warranty, Digital Security Controls Ltd. shall, at its option, repair or replace the defective equipment upon return of the equipment to its repair depot. This warranty applies only to defects in parts and workmanship and not to damage incurred in shipping or handling, or damage due to causes beyond the control of Digital Security Controls Ltd. such as lightning, excessive voltage, mechanical shock, water damage, or damage arising out of abuse, alteration or improper application of the equipment.

The foregoing warranty shall apply only to the original buyer, and is and shall be in lieu of any and all other warranties, whether expressed or implied and

of all other obligations or liabilities on the part of Digital Security Controls Ltd. Digital Security Controls Ltd. neither assumes responsibility for, nor authorizes any other person purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product.

In no event shall Digital Security Controls Ltd. be liable for any direct, indirect or consequential damages, loss of anticipated profits, loss of time or any other losses incurred by the buyer in connection with the purchase, installation or operation or failure of this product.

Important Information: Changes or modifications not expressly approved by Digital Security Controls Ltd. could void the user's authority to operate this equipment.

FCC COMPLIANCE STATEMENT

CAUTION: Changes or modifications not expressly approved by Digital Security Controls Ltd. could void your authority to use this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

The user may find the following booklet prepared by the FCC useful: "How to Identify and Resolve Radio/Television Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402, Stock # 004-000-00345-4.

IMPORTANT INFORMATION

This equipment complies with Part 68 of the FCC Rules and the requirements adopted by the ACTA. On the side of this equipment is a label that contains, among other information, a product identifier in the format US:AAAEQ##TXXXX.

If requested, this number must be provided to the Telephone Company.

Product identifier: US:F53CAN-30487-DT-E

USOC Jack: RJ-31X

Telephone Connection Requirements

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.

Ringer Equivalence Number (REN)

The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local Telephone Company. For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (e.g., 03 is a REN of 0.3). For earlier products, the REN is separately shown on the label.

Incidence of Harm

If this equipment MD12 causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice is not practical, the Telephone Company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

Changes in Telephone Company Equipment or Facilities

The Telephone Company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the Telephone Company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

Equipment Maintenance Facility

If trouble is experienced with this equipment MD12, for repair or warranty information, please contact the facility indicated below. If the equipment is causing harm to the telephone network, the Telephone Company may request that you disconnect the equipment until the problem is solved. This equipment is of a type that is not intended to be repaired by the end user.

Simplex Time Recorder Co. 100 Simplex Drive, Westminster MA 01441-0001 USA,
Tel: (978) 731-2500

Additional Information

Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this equipment MD12 does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

DSC erklærer herved at denne komponent overholder alle vigtige krav samt andre bestemmelser givet i direktiv 1999/5/EC.

Por este meio, a DSC, declara que este equipamento está em conformidade com os requisitos essenciais e outras determinações relevantes da Directiva 1999/5/EC.

*DSC bekräftar härmed att denna apparat uppfyller de väsentliga kraven och andra relevanta bestämmelser i Direktivet 1999/5/EC.

Con la presente la Digital Security Controls Ltd dichiara che questo prodotto è conforme ai requisiti essenziali ed altre disposizioni rilevanti relative alla Direttiva 1999/05/CE.

*Por la presente, DSC, declara que este equipo cumple con los requisitos requeridos por la Directiva 1999/5/EC.

Hierdurch erklärt DSC, daß dieses Gerät den erforderlichen Bedingungen und Voraussetzungen der Richtlinie 1999/5/EC entspricht.

*Όλα του παρόντος, η DSC, δηλώνει ότι αυτή η συσκευή είναι σύμφωνη με τις ουσιαστικές απαιτήσεις και με όλες τις άλλες σχετικές αναφορές της Οδηγίας 1999/5/EC.

Hierbij verklaart DSC dat dit toestel in overeenstemming is met de eisen en bepalingen van richtlijn 1999/5/EC.

Par la présente, DSC déclare que cet article est conforme aux exigences essentielles et autres pertinentes stipulations de la directive 1999/5/EC.

DSC vakuuttaa laitteen täyttävän direktiivin 1999/5/EC olennaiset vaatimukset.

Hereby, DSC, declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

The complete R & TTE Declaration of Conformity can be found at www.dsc.com/intl/rtdirect.htm.

